MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

February 1947

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

FEBRUARY 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.6	59.2	63.4	61.1	14.7	10.6	12.1	13.9	12.7	12.9
2	3.6	61.2	0.7	1.8	16.1	12.1	13.3	15.5	12.8	13.9
3	59.6	0.1	0.8	0.2	16.1	11.3	13.6	15.7	13.0	14.1
4	64.1	4.3	5.1	5.5	16.7	11.1	12.2	16.1	12.8	13.7
5	6.1	4.5	4.5	5.0	17.1	11.6	11.9	16.6	12.7	13.7
6	62.9	59.7	58.8	60.5	17.9	12.5	12.8	17.2	13.4	14.5
7	56.6	8.3	60.7	58.5	17.8	11.1	17.2	17.1	15.2	16.5
8	62.6	63.1	4.7	63.5	16.4	11.4	11.8	15.7	15.2	14.2
9	6.1	6.0	6.8	6.3	17.1	11.3	14.9	16.1	13.8	14.9
10	6.6	5.9	5.6	6.0	16.9	12.7	14.4	16.0	14.9	15.1
11	64.4	63.0	63.2	63.5	17.8	14.4	15.9	16.9	14.5	15.8
12	2.4	1.3	1.2	1.6	19.9	16.3	17.3	18.8	16.8	17.5
13	59.8	57.5	56.0	57.8	21.6	15.2	20.2	19.8	19.1	19.7
14	7.8	4.6	7.2	6.5	23.8	10.8	15.5	21.0	16.3	17.6
15	8.6	8.4	9.4	8.8	17.9	11.7	14.5	17.3	13.3	15.0
16	60.1	59.6	59.8	59.8	17.7	12.1	14.4	17.2	12.8	14.8
17	58.5	7.5	9.0	8.3	16.9	10.7	14.9	16.1	11.1	14.0
18	60.1	60.4	62.3	60.9	17.2	12.3	14.5	15.6	14.9	15.0
19	3.6	3.4	4.1	3.7	18.6	11.8	14.1	17.2	13.2	14.8
20	4.1	1.3	0.6	2.0	19.2	14.7	14.4	17.7	13.4	15.2
21	59.8	59.9	62.2	60.6	19.6	12.8	16.6	18.3	14.9	16.6
22	63.3	63.7	4.9	4.0	18.2	12.9	13.8	15.4	14.0	14.4
23	5.5	4.7	4.6	4.9	18.6	12.8	16.1	17.7	14.9	16.2
24	3.9	2.0	1.3	2.4	18.9	13.6	14.8	18.3	15.5	16.1
25	1.4	0.1	0.2	0.6	20.1	14.3	17.2	18.8	15.7	17.2
26	61.7	60.7	60.9	61.1	19.2	14.0	16.2	18.4	15.7	16.8
27	0.9	1.4	2.2	1.5	20.0	14.4	16.2	19.1	15.7	17.0
28	4.4	2.8	2.6	3.3	20.5	16.0	16.8	19.4	16.6	17.6
	62.11	61.23	61.88	61.73	18.30	12.68	14.91	17.24	14.44	15.52

Barometer, range for month 766.8 — 754.6 mm.
„ 71-yr. average for month 761.982 mm.
Thermometer, range for month 23.8° — 10.6°C
„ 71-yr. average for month 14.29 °C.
Rain, total for month 94.49 m.m.
„ 71-yr. average for month 157.75 m.m.
„ Total, Sept. 1st. to end of month 747.53 mm.
„ 71-yr. average, Sept. 1st. to end of month 722.30 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	9.2	6.7	9.1	8.3	87	57	83	76	3.8	739.0	27.69
2	9.3	7.0	9.5	8.6	82	53	86	74	4.4	74.0	
3	9.7	10.6	10.1	10.1	83	80	90	84	8.9	87.0	
4	8.5	10.4	10.0	9.6	81	77	91	83	9.0	85.0	
5	8.9	10.8	9.5	9.7	86	78	87	80	9.5	95.0	
6	9.3	10.9	9.8	10.0	85	75	85	82	9.3	105.0	
7	11.2	11.5	10.2	11.0	77	79	79	78	5.0	433.0	
8	9.3	9.8	10.1	9.7	90	74	79	81	4.8	264.0	5.84
9	10.2	10.4	9.7	10.1	81	87	83	84	8.9	136.0	
10	10.0	9.7	10.0	9.9	81	73	78	77	8.8	164.0	
11	8.4	12.0	10.6	10.3	82	84	85	84	10.2	555.0	
12	9.7	9.0	8.7	9.1	67	56	64	62	9.2	114.0	
13	10.2	12.1	8.4	10.2	58	70	51	60	7.1	283.0	
14	12.3	15.8	12.5	13.5	94	85	91	90	6.6	524.0	4.83
15	10.0	11.8	9.6	10.5	81	80	84	82	7.9	270.0	11.94
16	10.0	10.4	9.2	9.8	81	71	84	79	5.7	328.0	0.25
17	9.7	7.8	9.8	9.1	76	75	100	84	2.2	542.0	23.11
18	10.7	7.6	9.8	9.4	86	58	77	74	3.3	892.0	17.78
19	10.3	10.4	7.7	9.5	86	71	81	79	7.2	306.0	0.25
20	9.2	9.5	9.2	9.3	75	63	80	73	2.0	77.0	
21	13.3	13.3	10.3	12.3	95	88	81	88	1.4	362.0	
22	10.2	12.0	10.2	10.8	87	93	86	89	7.3	184.0	1.02
23	11.0	11.8	11.0	11.3	81	78	87	82	8.4	280.0	1.78
24	10.7	10.5	11.6	10.9	85	68	90	81	9.9	237.0	
25	11.9	11.9	12.6	12.1	82	74	95	84	9.3	123.0	
26	12.2	13.4	12.6	12.7	89	85	95	90	6.5	121.0	
27	12.0	13.4	13.0	12.8	88	82	98	89	8.4	245.0	
28	13.2	14.1	13.6	13.6	94	84	95	91	8.8	137.0	
	10.37	10.88	10.30	10.50	82.8	74.9	84.4	80.7	6.92	277.21	3.37

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equals G.C.T.
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	8ni	8ni	8cu-ni	8.0	4sw	4sw	3sw	rough	
2	5ci	9ci	10cu-ci	8.6	1se	1w	1nw	light	
3	9cu-ci	9cu-ci	0	6.0	1sw	1nw	1nw	,,	
4	1ci	1ci	0	0.7	1se	1ne	1ne	,,	
5	1ci	1ci	1ci	1.0	1se	1ne	1ne	,,	
6	0	1cu	0	0.3	1sw	1sw	1sw	light	
7	4ci	6cu	4cu	4.7	1sw	3sw	2sw	slight	
8	4ci	7cu-ni	1cu	4.0	1se	1sw	1sw	,,	
9	0	0	0	0.0	1sw	1nw	0	light	
10	10cu-st	1ci	0	3.7	1sw	1ne	2ne	slight	
11	0	0	0	0.0	1ne	1ne	1n	,,	
12	8cu-ci	0	0	2.7	1sw	1ne	1ne	light	
13	2ci	0	0	0.7	1se	0	1ne	,,	
14	1ni	8ci	10cu-ni	6.3	1sw	1sw	2sw	slight	
15	2cu	3cu	1cu	2.0	2sw	1sw	1sw	,,	
16	8cu-ci	2ci	3cu	4.3	1sw	1sw	1sw	slight	
17	10cu	10cu-ni	2ni	7.3	1sw	3sw	2sw	light	
18	10ni	10ni	4cu	8.0	3sw	3sw	3sw	mod.	
19	3cu	5ci	1ci	3.0	1nw	1w	1ne	light	
20	10cu-ci	9cu-ci	9cu	9.0	1se	1sw	1sw	,,	
21	10cu-st	10cu	1cu	7.0	1w	2sw	1sw	slight	
22	2cu	9ni	9cu-ni	6.7	2se	1sw	1sw	,,	
23	1ci	5ci	0	2.0	1sw	1sw	2sw	,,	
24	0	0	0	0.0	1ne	1ne	1n	light	
25	0	1ci	2ci	1.0	1sw	1nw	1nw	,,	
26	5cu-ci	9cu-ci	8cu-st	7.3	1sw	1ne	1ne	light	
27	0	0	0	0.0	1sw	2ne	1ne	,,	
28	0	0	0	0.0	1se	1se	1se	,,	
				3.70					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	2	0	8	0	16	1	1	0	28
14:30	0	8	0	1	0	13	2	3	1	28
20:30	2	8	0	1	0	13	0	3	1	28
Mean	2	18	0	10	0	42	3	7	2	84

Number of days with rain 10, fog 0, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 13.9